

Q68047

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Stephane LASCAUD, et al.

Appln. No.: PCT/FR00/01726

Confirmation No.: Not Yet Assigned

Group Art Unit: Not Yet Assigned

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Examiner: Not Yet Assigned

For: METHOD AND DEVICE FOR CHARGING SEVERAL ELECTROCHEMICAL CELLS

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please enter the following amended claims:

3. Method according to claim 1, characterised in that the current which is shunted comprises between 1% and 30%, and preferably between 5% and 15% of the charging current of all the cells (5, 6, 7).

4. Method according to claim 1, characterised in that the charging current of all the cells (5, 6, 7) is calculated as a function of the temperature of each of the cells.

6. Method according to claim 1, characterised in that the range of temperatures is between 40°C and 110°C, and preferably between 50°C and 100°C.

7. Method according to claim 1, characterised in that the charging current is calculated according to the formula:

$I_{\text{charge}} = A \exp \left[\frac{-B}{2T} \right] \cdot S$ where S is the free surface of the cells being charged, A is between 80

$\frac{mA}{cm^2}$ and $150 \frac{mA}{cm^2}$, and preferably between $105 \frac{mA}{cm^2}$ and $110 \frac{mA}{cm^2}$ and B is between 4200 K and 4800 K, and preferably between 4400 K and 4600 K.